

*(use as many sheets as necessary)*

**Complete if Known**

Application Number	10/804,358
Filing Date	March 19, 2004
First Named Inventor	Ralph D. Gillespie et al.
Art Unit	1764
Examiner Name	Not yet assigned
Attorney Docket Number	106207C

[illegible][illegible]

EXAMINER				DATE CONSIDERED			
DA 04				7/8/05			

PAGE 4/4 \* RCVD AT 10/27/2004 10:31:05 AM (Eastern Daylight Time) \* SVR:USPTO-EFXXR-1/0 \* DNIS:8729308 \* CSID:847 391 2387 \* DURATION (mm-ss):01-52

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>	<i>Complete If Known</i>	
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**THE FOLLOWING DOCUMENT IS SUBMITTED WITH THE FILING OF THIS APPLICATION:**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>MD</i>			Robert A. Meyers, The Handbook of Petroleum Refining Processes, 1986, 5-49 through 5-51.
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**THE FOLLOWING DOCUMENTS WERE SUBMITTED EITHER WITH PARENT APPLICATIONS 10/717,812 AND 10/718,050 BOTH FILED 11/20/03, OR 09/942,237 FILED 8/29/01.**

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MD</i>	2,939,896 B1	6/60	Myers	260	683.68	12/9/57
<i>MD</i>	2,966,528	12/60	Haensel	260	666	11/8/57
<i>MD</i>	2,985,589	5/61	Broughton et al.	210	34	5/22/57
<i>MD</i>	3,040,777	6/62	Carson et al.	137	625.15	4/10/59
<i>MD</i>	3,175,444	3/65	Spinney	83	251	3/7/62
<i>MD</i>	3,422,848	1/69	Liebman et al.	137	625.15	6/9/66

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	INT'L CLASS	TRANSLATION	
							YES	NO
<i>N/A</i>	JP61242641 A	1985	Japan	Kokai			Abstract only	
	EP 0 666 109 A1	1995	EPO	Umansky et al.	B01J27/053		X	
	EP-0983967 AT	5/00	EPO	Gillespie				X

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

			Graham v. John Deere Co., 383 U.S. 1, 148 USPQ 459 (1966)
			Ex parte Rubin (POBA 1959) 128 U.S.P.Q. 440
EXAMINER <i>MDV</i>			DATE CONSIDERED <i>7/8/05</i>

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EXAMINER INITIALS	DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MD</i>	3,755,144	8/73	Asselin	208	95	0/13/71
	3,915,845 B1	10/75	Antos	208	139	12/6/73
	4,003,826	1/77	Antos	208	139	0/28/75
	4,024,052	5/77	Antos	208	139	1/20/75
	4,024,077	5/77	Engelhard et al.	252	442	7/31/75
	4,061,724	12/77	Grose et al.	423	335	9/22/75
	4,073,865	2/78	Flanigen et al.	423	339	9/27/76
	4,087,381	5/78	Antos	252	441	1/12/77
	4,310,440	1/82	Wilson et al.	252	435	7/7/80
	4,440,871	4/84	Lok et al.	502	214	7/26/82
	4,567,027	1/86	Detournay et al.	423	101	7/16/84
	4,567,029	1/86	Wilson et al.	423	306	7/15/83
	4,709,116	11/87	Zarchy et al.	585	738	6/30/86
	4,709,117	11/87	Gray, Jr.	585	738	4/7/86
	4,717,784	1/88	Stern et al.	585	738	2/10/86
<i>MD</i>	4,758,419	7/88	Lok et al.	423	306	4/13/84

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION YES NO
<i>N/A</i> EP 1002579 A1	3/00	EPO	Marella et al.			X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>N/A</i>	Cohn v. Comr. Pats. (DCDC 1966) 251 F Supp 378, 148 U.S.P.Q. 486.
<i>N/A</i>	In re Boe, 145 U.S.P.Q. 507 (CCPA 1966).
EXAMINER <i>DACH</i>	DATE CONSIDERED <i>7/18/02</i>

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## U.S. PATENT DOCUMENTS

CITED PATENT DOCUMENTS								
EXAMINER INITIALS		DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TD		4,804,802	2/89	Evans et al.	585	734	1/25/88	
		4,804,803	2/89	Schmidt et al.	585	748	12/7/87	
		4,834,958	5/89	Zones	423	277	2/17/87	
		4,909,116	3/90	Tanaka et al.	84	692	6/24/88	
		4,918,041 B1	4/90	Hollstein et al.	502	217	9/21/88	
		4,956,519 B1	9/90	Hollstein et al.	585	751	11/13/89	
		5,019,671	5/91	Hsu et al.	585	751	7/10/89	
		5,026,951	6/91	Schmidt et al.	585	738	1/9/90	
		5,036,035 B1	7/91	Baba et al.	502	221	3/21/89	
		5,036,085	7/91	Heinemann et al.	514	361	3/19/90	
		5,107,052	4/92	McCulloch et al.	585	738	12/31/90	
		5,120,898	6/92	Baba et al.	585	750	5/15/91	
		5,146,035	9/92	Spehlmann et al.	585	667	12/24/90	
	TD		5,146,037	9/92	Zarchy et al.	585	738	11/29/90

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION
						YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N/A		Patent Abstracts of Japan, Vol 011, No. 089 March 19, 1987 & JP 61 242641 A (Res Assoc Util of Light Oil), 28 October 1986 abstract.
N/A		Database WPI Section CH, Week 198649 Derwent Publications Ltd., London, GB Class H04, AN 1986-32390 XP002222499 & JP 61 242641 A (Keishitsu Ryubun Shinyoto), 28 October 1986 abstract.
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DPA		7/8/05

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<i>DD</i>	5,157,199	10/92	Soled et al.	585	750	4/1/91
	5,182,247	1/93	Kuhlmann et al.	502	217	2/11/91
	5,212,136 B1	5/93	Angstadt et al.	502	206	11/27/91
	5,214,017 B1	5/93	Angstadt et al.	502	204	11/27/91
	5,310,868 B1	5/94	Angstadt et al.	585	721	12/17/92
	5,321,197	6/94	Angstadt et al.	585	721	12/17/92
	5,340,465	8/94	Gillespie et al.	208	191	10/14/93
	5,360,534	11/94	Rice et al.	208	139	5/24/93
	5,491,278	2/96	Angstadt et al.	585	731	11/12/93
	5,493,067 B1	2/96	Angstadt et al.	585	731	11/12/93
	5,629,257	5/77	Umansky et al.	502	217	1/21/94
	5,744,684	4/98	Zinnen et al.	585	737	6/18/96
	5,762,887	6/98	Girod et al.	422	200	2/4/97
	5,762,888	6/98	Sechrist	422	216	1/13/96
<i>DD</i>	5,768,904	6/98	Tagamolila et al.	62	238.3	5/2/97

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION YES NO

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M	5,780,383	7/98	Hollstein et al.	502	324	12/10/92
	5,786,294	7/98	Sachtler et al.	502	349	5/10/96
	5,802,870	9/98	Arnold et al.	62	480	5/2/97
	5,831,139	11/98	Schmidt et al.	585	315	3/26/97
	5,837,641	11/98	Gosling et al.	502	219	1/16/96
	5,862,060	1/99	Murray, Jr.	364	528.01	11/22/96
	6,180,556	1/01	Marella et al.	502	217	3/11/99
	6,184,430 B1	2/01	Venkatesh et al.	585	750	12/5/96
	6,214,764	4/01	Gillespie	502	230	8/1/99
	6,320,089	11/01	Gillespie	585	744	1/9/01
	6,359,179	3/02	Nemeth et al.	568	387	12/22/99
	6,448,198	9/02	Szabo et al.	502	217	7/10/00
	6,495,733	12/02	Peratello et al.	585	743	7/15/99
	6,573,417 B1	6/03	Rice	585	738	11/5/01
	6,593,504	7/03	Bricker et al.	585	470	10/19/99
TD	6,706,659 B2	3/04	Gillespie et al.	502	217	3/29/01

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						YES NO

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